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1. Rack mountable display apparatus configured to be used with an electronic equipment rack, said apparatus comprising a display and a support mechanism configured to support the display, the display being moveable between a substantially vertical orientation extending back into the rack when in a retracted storage position within the electronic equipment rack and a deployed position external to the electronic equipment rack.
 2. The rack mountable display apparatus of claim 1, wherein the support mechanism comprises a slide, the display being slideable between the storage position with the display stored within the electronic equipment rack and the deployed position with the display deployed externally to the electronic equipment rack.
 3. The rack mountable display apparatus of claim 1, wherein the support mechanism comprises a pivot mechanism, the display being pivotable between the storage position with the display stored within the electronic equipment rack and the deployed position with the display deployed externally to the electronic equipment rack.
 4. The rack mountable display apparatus of claim 2, wherein the support mechanism comprises an orientation mechanism operable to orient the display in the deployed position to facilitate reading of the display.
 5. The rack mountable display apparatus of claim 4, wherein the orientation mechanism provides rotation about at least one axis.
 6. The rack mountable display apparatus of claim 4, wherein the orientation mechanism provides rotation about two axes.
 7. The rack mountable display apparatus of claim 3, wherein the pivot mechanism is formed by a universal joint operable to enable pivoting of the display between the storage position with the display stored within the electronic equipment rack and

the deployed position with the display deployed externally to the electronic equipment rack and further to enable orientation of the display to a desired orientation to facilitate reading of the display.

8. The rack mountable display apparatus of claim 1, wherein the thickness of the display is less than the height and width of the display.
12. The rack mountable display apparatus of claim 1, wherein the display comprises a display screen.
13. The rack mountable display apparatus of claim 12, wherein the display screen is a flat panel display screen.
14. The rack mountable display apparatus of claim 1, wherein the display comprises a touch sensitive screen.
15. The rack mountable display apparatus of claim 1, wherein the display is connected to a processor.
16. The rack mountable display apparatus of claim 15, wherein the processor is retained within the electronic equipment rack when the display is deployed.
17. The rack mountable display apparatus of claim 15, wherein the processor is deployed with the display.
18. The rack mountable display apparatus of claim 17, wherein the display and the processor are part of a portable computer.
19. The rack mountable display apparatus of claim 15, further comprising a keyboard connected to the processor.

14

20. The rack mountable display apparatus of claim 15, comprising program code for controlling the processor to cause the display to display an interactive sequence of instructions to service personnel for maintaining the electronic rack equipment.

21. An electronic equipment rack, including a plurality of locations for receiving electronic equipment components and a location for receiving rack mountable display apparatus, said rack mountable display apparatus comprising display and a support mechanism for the display, the display being moveable between a substantially vertical orientation extending back into the rack when in a retracted storage position within the rack and a deployed position external to the rack.

22. The electronic equipment rack of claim 21, wherein the display is located in a substantially vertical orientation extending back into the electronic equipment rack from a front surface thereof when in the storage position within the electronic equipment rack.

23. The electronic equipment rack of claim 22, wherein the display location is adjacent one side of the electronic equipment rack.

24. The electronic equipment rack of claim 23, wherein the display is positioned to extend beyond one side of the electronic equipment rack when in the deployed position, thereby not to inhibit access to the electronic equipment components.

25. The electronic equipment rack of claim 24, comprising a plurality of electronic system components.

26. The electronic equipment rack of claim 25, wherein the display is connected to a processor and the processor is connected to at least one of said electronic system components for receiving status information, program code is provided for controlling the processor to cause the display of an interactive sequence of instructions to service personnel for maintaining the electronic rack equipment,

and said program code is responsive to the status information for controlling the interactive sequence of instructions.

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A method of providing maintenance information to personnel for maintaining electronic equipment mounted in a rack, the method comprising providing a support mechanism for a display, the display being moveable between a substantially vertical orientation extending back into the rack when in a retracted storage position within the rack and a deployed position external to the rack and providing maintenance information to the support personnel when the display is located in the deployed position.

29. The method according to claim 27, comprising providing maintenance information on a display screen.
30. The method according to claim 29, comprising providing an interactive sequence of maintenance information on the display screen.
31. The method according to claim 30, comprising providing an interactive sequence of maintenance information in response to status information regarding electronic equipment in the rack.
32. A method of providing maintenance information to personnel for maintaining electronic equipment mounted in a rack, the method comprising providing a support mechanism for a display, the display being moveable between a storage position within the rack and a deployed position external to the rack, wherein the display is located in a substantially vertical orientation extending back into the rack from a front surface thereof when in the storage position within the rack; and providing maintenance information to the support personnel when the display is located in the deployed position.

B5

33. Rack mountable display apparatus configured to be used with an electronic equipment rack, said apparatus comprising a display and a support mechanism configured to support the display, the display being moveable between a substantially vertical orientation extending back into the rack when in a retracted storage position within the electronic equipment rack and a deployed position external to the electronic equipment rack, wherein the support mechanism comprises an orientation mechanism operable to orient the display in the deployed position to facilitate reading of the display, wherein the orientation mechanism provides rotation about two axes.

B6

34. An electronic equipment rack, including a plurality of locations for receiving electronic equipment components and a location for receiving rack mountable display apparatus, said rack mountable display apparatus comprising display and a support mechanism for the display, the display being moveable between a storage position within the rack and a deployed position external to the rack, wherein the display is located in a substantially vertical orientation extending back into the electronic equipment rack from a front surface thereof when in the storage position within the electronic equipment rack.

Please add the following new claims:

B7

16/35. Rack mountable display apparatus configured to be used with an electronic equipment rack, said apparatus comprising a display and a support mechanism configured to support the display, the display being moveable between a storage position within the electronic equipment rack and a deployed position external to the electronic equipment rack;

wherein the support mechanism comprises a slide, the display being slideable between the storage position with the display stored within the electronic equipment rack and the deployed position with the display deployed externally to the electronic equipment rack;

wherein the support mechanism comprises an orientation mechanism operable to orient the display in the deployed position to facilitate reading of the display;

wherein the orientation mechanism provides rotation about two axes.

17
36. The rack mountable display apparatus of claim 35¹⁴, wherein the thickness of the display is less than the height and width of the display.

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37. The apparatus of claim 35¹⁴, wherein the display comprises a plurality of sheets of display material, and wherein the support mechanism comprises a carrier for the plurality of sheets of display material.

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38. The rack mountable display apparatus of claim 35¹⁴, wherein the display comprises a flat panel display screen.

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39. The rack mountable display apparatus of claim 35¹⁴, wherein the display is connected to a processor.

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40. Rack mountable display apparatus configured to be used with an electronic equipment rack, said apparatus comprising a display and a support mechanism configured to support the display, the display being moveable between a storage position within the electronic equipment rack and a deployed position external to the electronic equipment rack;

wherein the support mechanism comprises a pivot mechanism, the display being pivotable between the storage position with the display stored within the electronic equipment rack and the deployed position with the display deployed externally to the electronic equipment rack; and

wherein the pivot mechanism is formed by a universal joint operable to enable pivoting of the display between the storage position with the display stored within the electronic equipment rack and the deployed position with the display deployed externally to the electronic equipment rack and further to enable orientation of the display to a desired orientation to facilitate reading of the display.

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The rack mountable display apparatus of claim ²¹40, wherein the thickness of the display is less than the height and width of the display.

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The apparatus of claim ²¹40, wherein the display comprises a plurality of sheets of display material, and wherein the support mechanism comprises a carrier for the plurality of sheets of display material.

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The rack mountable display apparatus of claim ²¹40, wherein the display comprises a flat panel display screen.

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The rack mountable display apparatus of claim ²¹40, wherein the display is connected to a processor.

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The apparatus of claim 1, wherein the display comprises a plurality of sheets of display material.

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The apparatus of claim 1, wherein the support mechanism comprises a carrier for sheet display material.

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A method according to claim ¹⁵27, comprising providing maintenance information on a plurality of sheets of sheet material.